AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended): A method for operating a refrigerating installation, ~~characterized in that~~whereby stable conditions in the controlling and refrigerating circuit ~~(and consequently highly efficient evaporation)~~ are achieved by keeping the temperature of the refrigerant liquid upstream of the injection valve ~~(A)~~ constant, thereby providing a highly efficient evaporation.

2. (Currently Amended): The method for operating a refrigerating installation as claimed in claim 1, ~~characterized in that stable conditions in the controlling and refrigerating circuit (and consequently a highly efficient evaporation) are achieved by keeping~~whereby the suction vapor temperature upstream of the condenser ~~(B)~~is kept constant.

3. (Currently Amended): The method for operating a refrigerating installation as claimed in ~~either of claims 1-2, characterized in that~~claim 1, whereby the refrigerant level in the heat exchanger ~~(1/2)~~, where the liquid refrigerant is completely evaporated, is defined and controlled by a level control ~~(7)~~ at the evaporator ~~(1)~~, IHE (internal heat exchanger) ~~(2)~~ or the two-stage evaporator (TSE) (first and/or second stage) ~~(1 + 2)~~ or suitable reference value, ~~such as for example from the accumulator,~~ whereby the degree of filling of the evaporator with liquid refrigerant, and as a result the suction vapor temperature ~~(B)~~, is defined ~~(and consequently highly efficient evaporation is achieved)~~.

4. (Currently Amended): The method for operating a refrigerating installation as claimed in ~~one of claims 1-3, characterized in that~~claim 1, whereby the refrigerant level where the liquid refrigerant is completely evaporated, is defined and controlled by a pressure difference detection ~~(7)~~ at the evaporator ~~(1)~~, IHE (internal heat exchanger) or the two-stage evaporator (TSE) (first and/or second stage), whereby the degree of filling of the evaporator with liquid refrigerant, and as a result the suction vapor temperature, is defined.

5. (Currently Amended): The method for operating a refrigerating installation ~~according to one of claims 1-4, characterized in that~~as claimed in claim 1, whereby the suction vapor temperatures ~~(B)~~ are limited and kept constant by limiting the refrigerant liquid temperature ~~(F)~~ into the IHE ~~(2)~~ or the second stage of the TSE ~~(2)~~ by an external supercooler ~~(3)~~ in cases of high refrigerant condensation outlet temperatures.

6. (Currently Amended): The method for operating a refrigerating installation as claimed in ~~one of claims 1-5, characterized in that,~~claim 1, whereby by bypassing a partial mass flow of the liquid refrigerant ~~(9) (E)~~ of the IHE ~~(2)~~ or the second stage of the TSE ~~(2)~~, controlled on the basis of the suction vapor temperature ~~(B)~~, the latter is kept constant.

7. (Currently Amended): The method for operating a refrigerating installation as claimed in ~~one of claims 1-6, characterized in that,~~claim 1, whereby by bypassing a partial mass flow of the suction vapor ~~(12) (G)~~ of the IHE ~~(2)~~ or the second stage of the TSE ~~(2)~~, controlled on the basis of the suction vapor temperature ~~(B)~~, the latter is kept constant.

8. (Currently Amended): The method for operating a refrigerating installation ~~according to one of claims 1-7, characterized in that~~as claimed in claim 1, whereby the suction vapor temperature ~~(B)~~ is controlled and kept constant by further measures, such as additional heat exchanger in the suction line.

9. (Currently Amended): The method for operating a refrigerating installation as claimed in ~~one of claims 1-8, characterized in that~~claim 1, whereby the suction vapor temperature ~~(B)~~ is controlled and kept constant by further measures~~, such as an additional storage mass and resultant inertia in the suction line~~.

10. (Currently Amended): The method for operating a refrigerating installation as claimed in ~~one of claims 1-9, characterized in that~~claim 1, whereby the refrigerant liquid temperature upstream of the injection valve ~~(A)~~ is controlled and kept constant by ~~measures such as~~an additional storage mass and resultant inertia in the liquid line ~~(13)~~.

11. (Currently Amended): The method for operating a refrigerating installation as claimed in ~~one of claims 1-10, characterized in that~~claim 1, whereby keeping the temperature of the refrigerant liquid upstream of the injection valve ~~(A)~~ constant is achieved by ~~measures such as~~ the use of a heat exchanger ~~(4)~~ between the refrigerant liquid line and~~, for example, the secondary medium flow line (or other~~another media with a suitable temperature ~~level)~~level.

12. (Currently Amended): The method for operating a refrigerating installation as claimed in ~~one of claims 1-11, characterized in that,~~claim 1, whereby by ~~measures such as~~ the use of a heat exchanger ~~(4)~~ between the refrigerant liquid line and~~, for example, the secondary medium flow line (or~~ other media with a suitable temperature ~~level)~~level, the temperature of the refrigerant liquid upstream of the injection valve ~~(A)~~ is controlled and kept constant at such a low level that the beginning of the evaporation process in the evaporator can be precisely defined and set and the latter can be started with solely refrigerant liquid or with a refrigerant liquid/vapor mixture.

13. (Currently Amended): The method for operating a refrigerating installation as claimed in ~~one of claims 1-12, characterized in that~~claim 1, whereby keeping the temperature of the refrigerant liquid upstream of the injection valve ~~(A)~~ constant is achieved by ~~measures such as~~ the use of a valve ~~(9)~~ between the refrigerant liquid line and the IHE ~~(2)~~ or the second stage of the TSE ~~(2)~~.

14 - 21 (Cancelled)

22. (New): The method for operating a refrigerating installation as claimed in claim 3, wherein the reference value is from an accumulator.

23. (New): The method for operating a refrigerating installation as claimed in claim 8, wherein the further measure is the introduction of an additional heat exchanger in the suction line.

24. (New): The method for operating a refrigerating installation as claimed in claim 9, wherein one further measure is the introduction of an additional storage mass and resultant inertia in the suction line.

25. (New): The method for operating a refrigerating installation as claimed in claim 11, wherein the heat exchanger is between the refrigerant liquid line and the secondary medium flow line.

26. (New): The method for operating a refrigerating installation as claimed in claim 12, wherein the heat exchanger is between the refrigerant liquid line and the secondary medium fluid line.